

PARTICULATE MONITOR

Abstract of the Disclosure

A non-extractive optical particulate monitor for measuring particulate matter entrained in a flow within a smokestack, the monitor includes a light emission system which projects a beam of light into the smokestack, a light detection system positioned in a non co-linear relationship with the light emission system to receive and detect light scattered by the particulate matter in the smokestack, and a calibration system located between the light emission system and the light detection system to selectively enable light from the light emission system access to the light detection system without traveling through the flow structure for calibration of the monitor.

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